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Traxxas 82256-4-GRN

Traxxas TRX-4 Defender Clipless Instruction Manual

Model: 82256-4-GRN

INTRODUCTION

This manual provides essential instructions for the setup, operation, maintenance, and troubleshooting of your Traxxas TRX-4 Defender Clipless RC vehicle. Please read this manual thoroughly before operating your vehicle to ensure safe and optimal performance.

PACKAGE CONTENTS

The Traxxas TRX-4 Defender Clipless package includes the following items:

- Traxxas TRX-4 Defender Clipless RC Vehicle (Model 82256-4-GRN)
- Transmitter (Remote Control)
- Instruction Manual
- Required tools and accessories (as described in the product packaging)

Note: Batteries for the vehicle and transmitter are sold separately unless otherwise specified on the product packaging.

SETUP

1. Battery Installation and Charging

1. **Vehicle Battery:** Install a fully charged LiPo or NiMH battery pack into the vehicle's battery compartment. Ensure the battery is securely fastened and connected to the Electronic Speed Control (ESC). Refer to your battery charger's instructions for proper charging procedures.
2. **Transmitter Batteries:** Install four (4) AA batteries into the transmitter. Observe correct polarity.

2. Initial Vehicle Inspection

- Verify all screws and fasteners are tight.
- Check that the wheels are securely attached.
- Ensure the steering servo operates freely and the wheels turn left and right without obstruction.

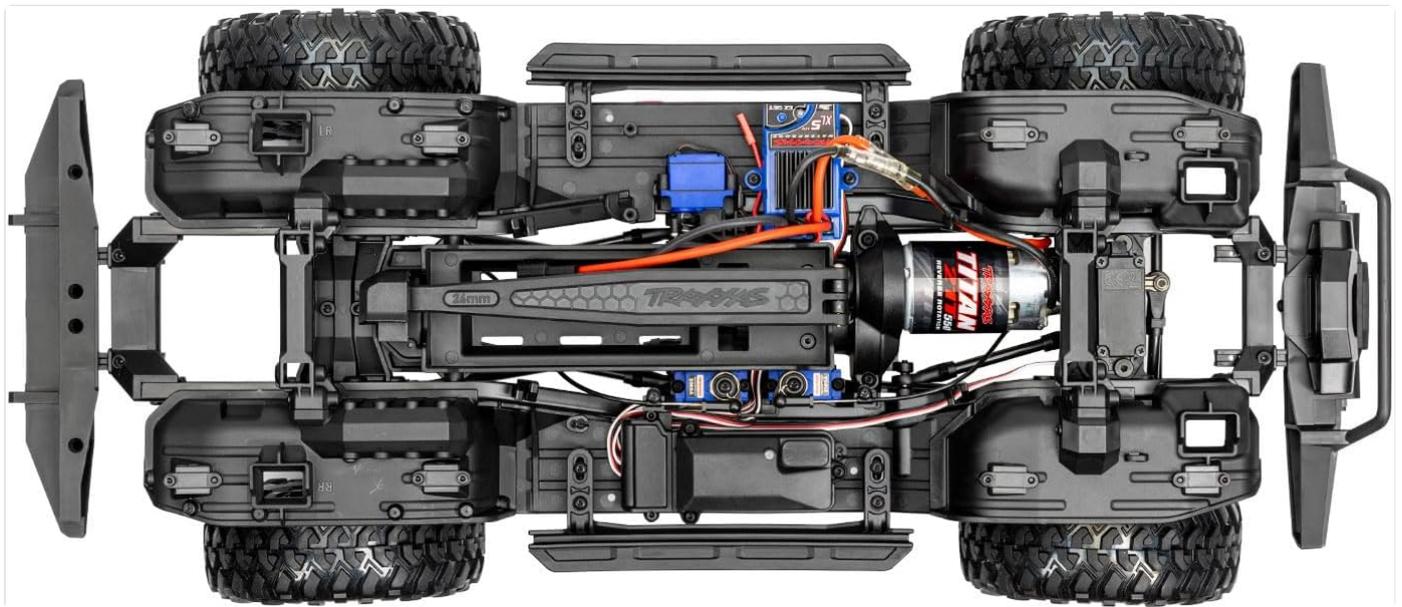


Figure 1: Top-down view of the TRX-4 Defender Clipless chassis. This image illustrates the layout of the motor, electronic speed control (ESC), steering servo, and other key components within the chassis.

OPERATING INSTRUCTIONS

1. Powering On

1. Turn on the transmitter first.
2. Then, turn on the vehicle's power switch. The ESC will emit a tone indicating it's ready.

2. Basic Controls

- **Throttle Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Steering Wheel:** Turn left to steer left, turn right to steer right.

3. Advanced Features

- **Remote-Locking Differentials:** The TRX-4 Defender features remote-locking front and rear differentials. Use the designated switch on your transmitter to engage or disengage the differential locks. Locking differentials provide maximum traction in challenging terrain.
- **High/Low Range Transmission:** Switch between high-speed and low-speed gears using the dedicated switch on your transmitter. Low range is ideal for technical crawling and steep climbs, while high range is suitable for faster trail driving.



Figure 2: Side view of the TRX-4 Defender Clipless chassis. This image provides a clear view of the vehicle's ground clearance,

suspension travel, and wheel design, which are crucial for off-road performance.

MAINTENANCE

1. After Each Run

- Disconnect and remove the vehicle battery.
- Clean the vehicle of dirt, mud, and debris using a soft brush or compressed air. Avoid using water directly on electronics.
- Inspect for any loose screws, damaged parts, or worn tires.

2. Periodic Maintenance

- **Lubrication:** Apply a small amount of silicone grease to moving parts such as suspension pivots and steering linkages.
- **Gear Inspection:** Periodically check the motor pinion and spur gear for wear. Replace if teeth are chipped or excessively worn.
- **Shock Absorbers:** Ensure shock absorbers are clean and free of leaks. Refill with appropriate shock oil if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	<ul style="list-style-type: none">• Low or dead batteries in vehicle or transmitter.• Transmitter and receiver not bound.• Power switch off.	<ul style="list-style-type: none">• Replace/charge batteries.• Refer to transmitter manual for binding procedure.• Ensure both power switches are ON.
Motor runs but wheels do not turn.	<ul style="list-style-type: none">• Loose pinion or spur gear.• Damaged drivetrain component.	<ul style="list-style-type: none">• Check and tighten gear mesh.• Inspect axles, driveshafts, and differentials for damage.
Steering is erratic or unresponsive.	<ul style="list-style-type: none">• Loose servo horn or linkage.• Damaged steering servo.	<ul style="list-style-type: none">• Inspect and tighten steering components.• Replace steering servo if damaged.

SPECIFICATIONS

Feature	Detail
Model Number	82256-4-GRN
Product Dimensions	23.1 x 9.8 x 11.5 inches (58.6 x 24.9 x 29.2 cm)
Item Weight	10.38 pounds (4.71 kg)
Manufacturer Recommended Age	14 years and up
Motor	Titan 21T Reverse Rotation Motor

Feature	Detail
Electronic Speed Control (ESC)	XL-5 HV Waterproof
Servo	Chassis Mounted 2075X Metal Gear Digital Servo
Transmission	Two-speed high/low range with remote shifting
Differentials	Remote-locking front and rear

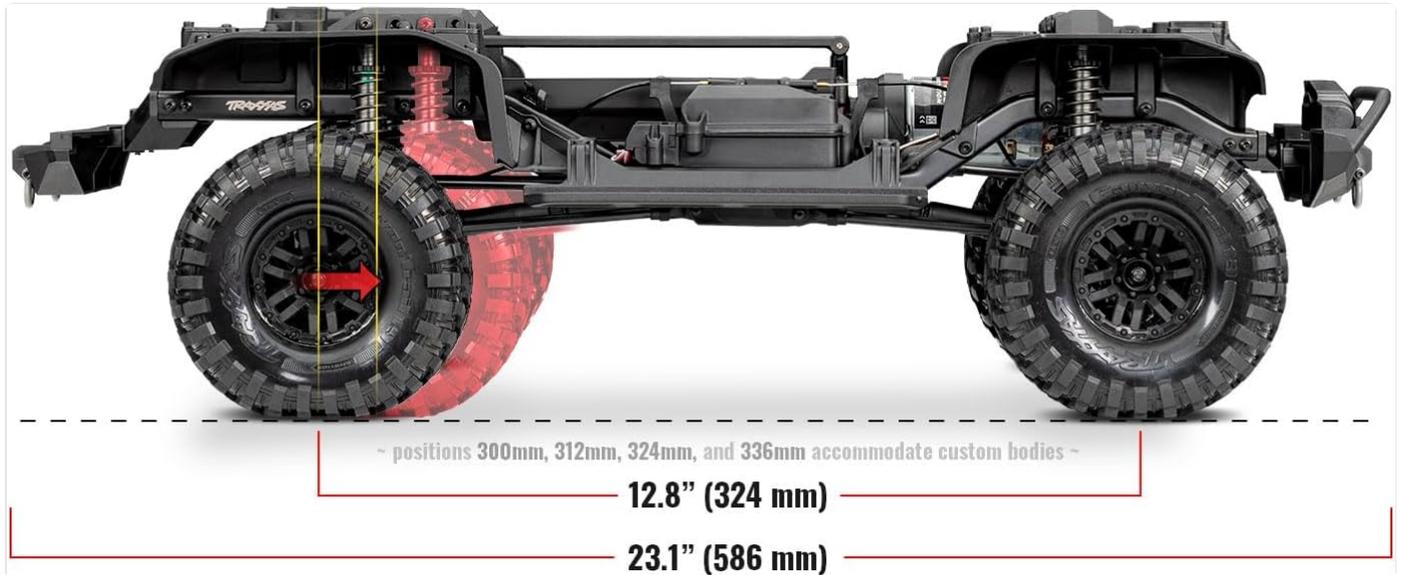


Figure 3: Side view of the TRX-4 Defender Clipless chassis with dimensions. This image highlights the overall length of 23.1 inches (586 mm) and indicates adjustable wheelbase positions (300mm, 312mm, 324mm, and 336mm) to accommodate various custom bodies.

WARRANTY AND SUPPORT

Traxxas products are backed by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty information included with your product or visit the official Traxxas website.

For technical support, replacement parts, or further assistance, please contact Traxxas Customer Service directly. Contact information can typically be found on the Traxxas website or in your product packaging.

Online Resources: For additional information, FAQs, and video tutorials, visit the official [Traxxas Store on Amazon](#) or the main Traxxas website.